Siting Challenges: Savoy Wind Project

Presentation to Massachusetts Wind Working Group
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Your Presenter

• Harris Miller Miller & Hanson Inc.
  – Director Clean Energy
  – Wind Noise, Solar at Airports, Tidal Energy off Vineyard

• Minuteman Wind, LLC
  – Member
  – Developing 12.5 MW wind project in Savoy, MA
Minuteman Philosophy

• Minuteman Wind is committed to bringing renewable energy to New England.

• Wind energy is currently the most economic renewable energy resource.

• Minuteman Wind recognizes that development of wind powered electric generation in New England is especially challenging. Land use in New England consists of intensively developed urban areas, extensive scenic areas which support a large recreation economy, and many environmentally sensitive conservation areas. Further, New England lacks large areas of agricultural land where wind energy has been most successfully developed to date in the United States.

• Minuteman Wind believes that onshore wind energy development in New England needs to focus on small projects which are consistent with existing development and landscape in New England.
The Dream
The Moral
Project Summary

• 12.5 MW Project (five 2.5 MW turbines)
• Located on West Hill, Savoy, MA
• Privately owned forested land
• Limited environmental impacts
• Produce > 30,000 MWh per year (about the consumption of a small college)
• Received principal permits
• Looking to sell power & RECs
Development Timeline

- 2005: Site Lease / Met Tower / Local Meetings
- 2006: MRET Loan / Env. Studies / Local Meetings
- 2007: BRPC Bylaw vs. Savoy Bylaw / Local Mtgs
- 2008: Savoy Bylaw Passed! / Renew Lease
- 2009: File Town Application, ZBA disbands, DPU?
- 2010: Re-file Town Application, Special Permit granted, Secretary’s Certificate Granted, RDA filed
- 2011: Wetlands Application, PPA, Transmission
Consideration of Impacts

• Community Character
  – Visual Impact
  – Industrial facilities in agricultural/residential community

• Effect on Neighbors
  – Noise and Flicker

• Public Safety
  – Demands on Police and Fire Services
  – Traffic impacts

• Roads and Electric Distribution
Transmission

Wind Farm
New Line = 6 miles
Use Existing Line w/DVAR = 12 miles
Substation in Hinsdale
Transportation

Map showing transportation routes including Rt. 8A, Rt. 9, Rt. 8, Rt. 20, and Rt. 10.
Consideration of Benefits

• Environmental Benefit of Carbon-free electric generation
• Property Taxes
• Infrastructure Benefits
• Community Profile
  – “Our little town can show the way”
Questions?